Volume 59, Number 1, 2002

EDITORIAL
Evolution in practice 1
B.R. Nation

BIOMEDICAL COMMENT
Air flight-related thrombosis: reality or hype? 2–3
M. Makris

ORIGINAL ARTICLES
How to detect current toxoplasma infection 4–6
R. Evans, D. Ashburn, J. Chatterton, A.Joss and D. Ho-Yen

Methicillin-resistant *Staphylococcus aureus:* laboratory detection methods in use in the Republic of Ireland and Northern Ireland 7–10
H. Humphreys, G. Glynn, A. Rossney, P. McDonald, H. Johnson, R. McDonnell, D. Doyle, E. Mitchell and M. Burd

Image analysis of Transwell assays in the assessment of invasion by malignant cell lines 11–14
L. Connolly and P. Maxwell

In vitro testing of platinum-based drugs on a panel of human ovarian tumour cell lines 15–19
C.M. Garner, L.M. Hubbold and P.R. Chakraborti

Measurement of urine total sialic acid: comparison of an automated ultraviolet enzymatic method with a colorimetric assay 20–23
M. A. Crook, S. Kargbo and P. Lumb

Nitric oxide generation by peripheral blood cells in chronic renal failure 24–29
H.M. Fayed, M. A. Kamel, M. M. Sultan, M. N. Mowafy, M. H. Helmy and S. M. El-Zoghby

Serum IgM to *Chlamydia trachomatis* in pregnancy: its usefulness for screening 30–34
Sangita Rastogi, Banashree Das and Aruna Mittal

Construction of a cDNA fragment library from SH-SY5Y cells using restriction display PCR 35–37
Zhang Bao, Ma Wenli, Wu Qinghua, Guo Qiuye, Shong Yanbin and Zheng Wenling

Seronegative spondarthritis and human leucocyte antigen association 38–41
U. Shankarkumar, J.P. Devraj, K. Ghosh and D. Mohanty

BIOMEDICAL ESSAY
Tandem mass spectrometry: the tool of choice for diagnosing inborn errors of metabolism? 42–46
S. Clarke

REVIEW ARTICLE
Proteomics and its impact upon biomedical science 47–64
T. Marshall and K. M. Williams

LETTERS TO THE EDITOR 65

JOURNAL-BASED LEARNING – *BJBS* 66

Volume 59, Number 2, 2002

BIOMEDICAL COMMENT

Data in abstracts of research articles. Are they consistent with those reported in the article? 67–68
R. Siebers

ORIGINAL ARTICLES

Effect of staff attitudes on quality in clinical microbiology services 69–75
S.J. Pitt and R.L. Sands

Bacterial enteropathogens and factors associated with seasonal episodes of gastroenteritis in Nsukka, Nigeria 76–79
B. Nzeako and N. Okafor

Haematological influences of potassium adaptation in normotensive and renally-hypertensive Wistar rats 80–84
R.I. Ozolua et al.

Clinical relevance of intracellular cytokines IL-6 and IL-12 in acute pancreatitis and its correlation with APACHE III score 85–89
G.K. Bidarkundi et al.

Association between tyrosine hydroxylase polymorphisms and left ventricular structure in young normotensive men 90–94
A. Linhart et al.

Threonines at position 174 and 235 of the angiotensinogen polypeptide chain are related to familial history of hypertension in a Spanish-Mediterranean population 95–100
E. Martinez et al.

G-protein β3-subunit gene variant, blood pressure and erythrocyte sodium/lithium countertransport in essential hypertension 101–104
E. Poch et al.

BIOMEDICAL ESSAY

Hypothesis for the influence of fixatives on the chromatin patterns of interphase nuclei, based on variable shrinkage and retraction of nuclear and perinuclear structures 105–113
L.P. Bignold

BIOMEDICAL SCIENCE IN BRIEF

Safranin staining of *Cyclospora cayetanensis* oocysts not requiring microwave heating 114–115
A.C. Maratim et al.

Lectins as targeting agents – the *in vitro* binding of lectins to lesions in the eye and mouth 115–118
C. Banchonglikitkul et al.

Lipoprotein (a) in an immigrant Indian population sample in Australia 118–120
B. Devanapalli et al.

Re-use of a stripped cDNA microarray 121–122
Zhang Bao et al.

REVIEW ARTICLES

Enteropathogenic *Escherichia coli* infection: history and clinical aspects 123–127
S.C. Clarke et al.

Impact of host genetics on susceptibility to human *Chlamydia trachomatis* disease 128–132
O.S.M. Mahdi

JOURNAL-BASED LEARNING – *BJBS* 133

BOOK REVIEWS 134–136

Volume 59, Number 3, 2002

ORIGINAL ARTICLES

Semi-automation of the polymerase chain reaction for laboratory confirmation of meningococcal disease 137–140
M.A. Diggle and S.C. Clarke

Do catecholamines influence the level of plasma leptin in patients with phaeochromocytoma? 141–144
B. Wocial et al.

Smoking and use of smokeless tobacco in treated hypertensive men at high coronary risk: utility of urinary cotinine determination 145–149
S. Agewall et al.

Helicobacter pylori cagA and *vacA* cytotoxin genes in Changsha, China 150–153
J. Yakoob et al.

Incidence of *Blastocystis hominis* in faecal samples submitted for routine microbiological analysis 154–157
J.J. Windsor et al.

BIOMEDICAL SCIENCE IN BRIEF

Plasmid profiles of urease-positive thermophilic campylobacter (UPTC) strains isolated in Europe and Asia (Japan) 158–160
M. Matsuda et al.

Multilocus sequence typing and *porA* gene sequencing differentiates strains of *Neisseria meningitidis* during case clusters 160–162
S.C. Clarke et al.

Prevalence of *Campylobacter* species among HIV/AIDS patients in Nigeria 162–163
S.I. Smith et al.

Pandoraea apista isolated from a patient with cystic fibrosis: problems associated with laboratory identification 164–166
J. E. Moore et al.

Cloning and sequence analysis of the *recA* gene in urease-positive thermophilic campylobacter (UPTC) 166–169
M. Honda et al.

BIOMEDICAL ESSAY

Clinical aspects of pneumonia 170–172
V. Puli and S.C. Clarke

REVIEW ARTICLE

Tumour necrosis factor blocking agents: a new therapeutic modality for inflammatory disorders 173–179
M. Abuzakouk et al.

LETTER TO THE EDITOR

Need for improved molecular biology training for biomedical scientists in NHS microbiology laboratories 180
J.E. Moore and B.C. Millar

BOOK REVIEWS 181

JOURNAL-BASED LEARNING – *BJBS* 182

Volume 59, Number 4, 2002

ORIGINAL ARTICLES

Vaginal lactobacilli: self- and co-aggregating ability 183–190
Virginia S Ocana and Maria Elena Nader-Macias

Molecular and immunological characterisation of *Fasciola* species 191–195
A F Allam et al.

Evaluation of melanocytic neoplasms: application of a pan-melanoma antibody cocktail 196–202
G E Orchard

How much tissue is present in archival paraffin blocks and slides? 203–204
C Womack and C Wade

Effects of storage on the physicochemical and antibacterial properties of human milk 205–211
M O Ogundele

Synthetic organic hard capsule colouring agents: *in vitro* effect on human trueand pseudo-cholinesterases 212–217
M Y Osman et al.

Diagnosis of visceral leishmaniasis: comparative potential of amastigote antigen, recombinant antigen and PCR 218–222
G Sreenivas et al.

Electrical impedance measurement as an endpoint detection method for routine coagulation tests 223–227
N Spence

Non-microscopic method for malaria diagnosis using OptiMAL IT, a second-generation dipstick for malaria pLDH antigen detection 228–231
A H Moody and P L Chiodini

BIOMEDICAL ESSAY

Bioterrorism: an overview 232–234
S C Clarke

REVIEW ARTICLE

Role of apoptosis in the pathogenesis of B-cell chronic lymphocytic leukaemia 235–238
A P Jewell

BOOK REVIEW 239